

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1-5. Canceled.

6. (Currently Amended) ~~A device~~ A reaction probe chip for binding an analyte to be detected, comprising:

a substrate made of non-porous material in the form of a film or sheet, having a plurality of discrete through-holes;

a carrier made of porous material, filled in the plurality of discrete through-holes, and

probe molecules attached to a surface of the carrier for binding the analyte to be detected,

wherein the probe molecules attached to the surface of the carrier in a first group of the through-holes are different from the probe molecules attached to the surface of the carrier in a second group of the through-holes.

7. (Currently Amended) ~~The device~~ A reaction probe chip according to claim 6, wherein the carrier is selected from the group consisting of a porous membrane, a nonwoven fabric, and a powder of porous glass.

8. (Currently Amended) The device A reaction probe chip according to claim 7, wherein a pore size of the porous membrane or the powder of porous glass is 0.1 to 0.5 μm .

9. (Currently Amended) The device A reaction probe chip according to claim 7, wherein a particle size of the powder of porous glass is 1 to 100 microns.

10. (Currently Amended) The device A reaction probe chip according to claim 6 wherein the probe molecule is selected from the group consisting of DNA, RNA, PNA, their fragments, oligonucleotides, antigens, antibodies, epitopes, enzymes, proteins, and their polypeptide chains having at least one functional site.